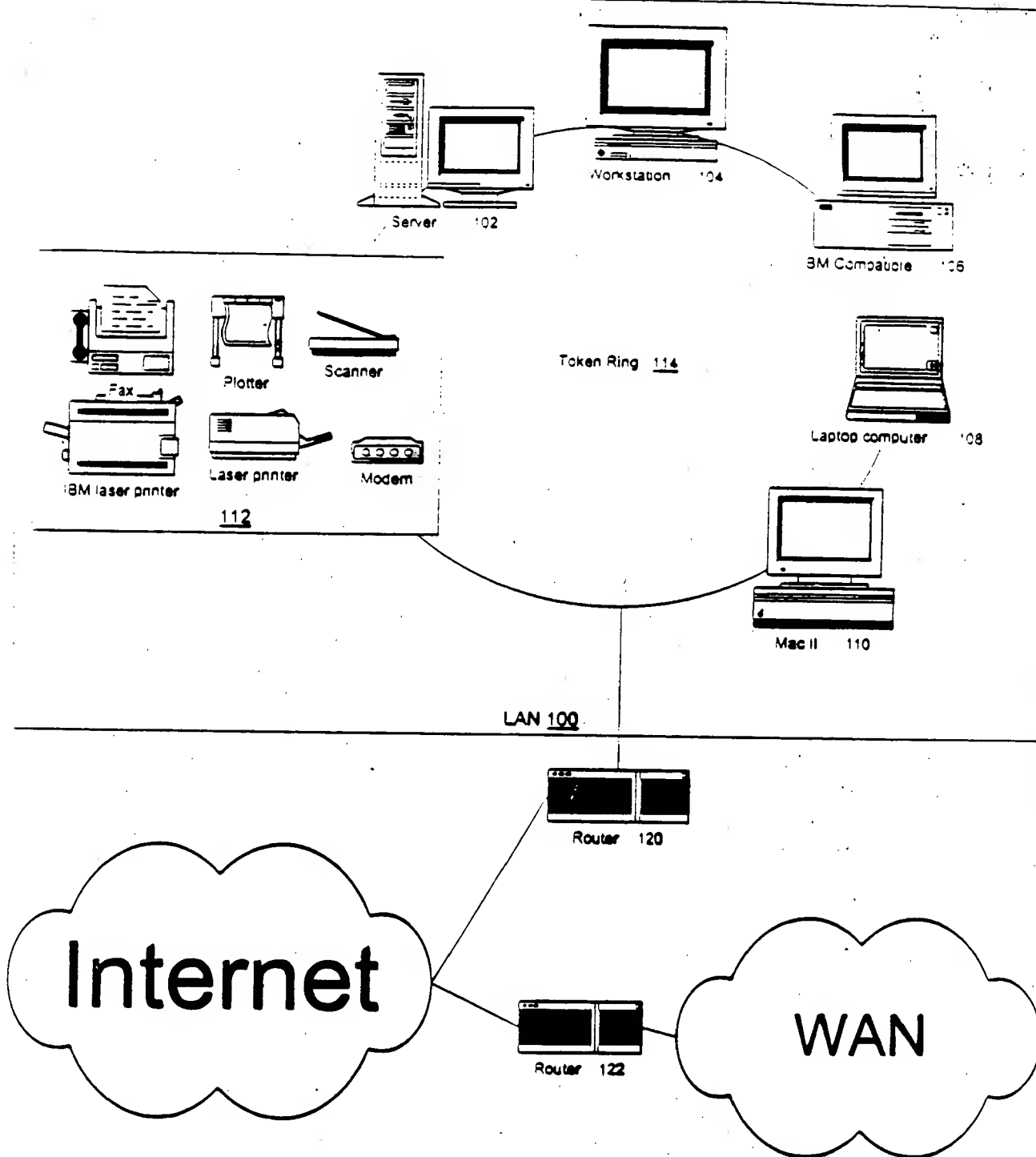


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Fig. 1

Application Layer / Layer 5
202

Transport Layer / Layer 4
204

Internet Layer / Layer 3
206

Network Interface Layer / Layer 2
208

Physical Layer / Layer 1
210

TCP/IP Layering Model

Fig. 2

Fig. 3

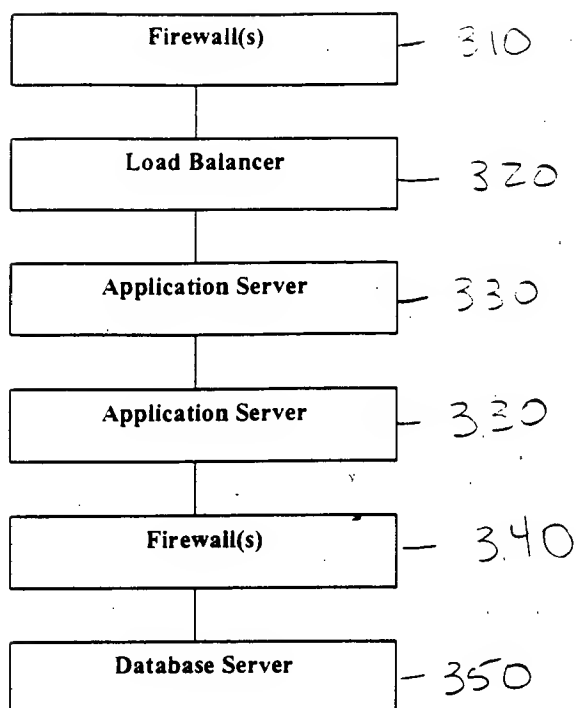


FIGURE 4

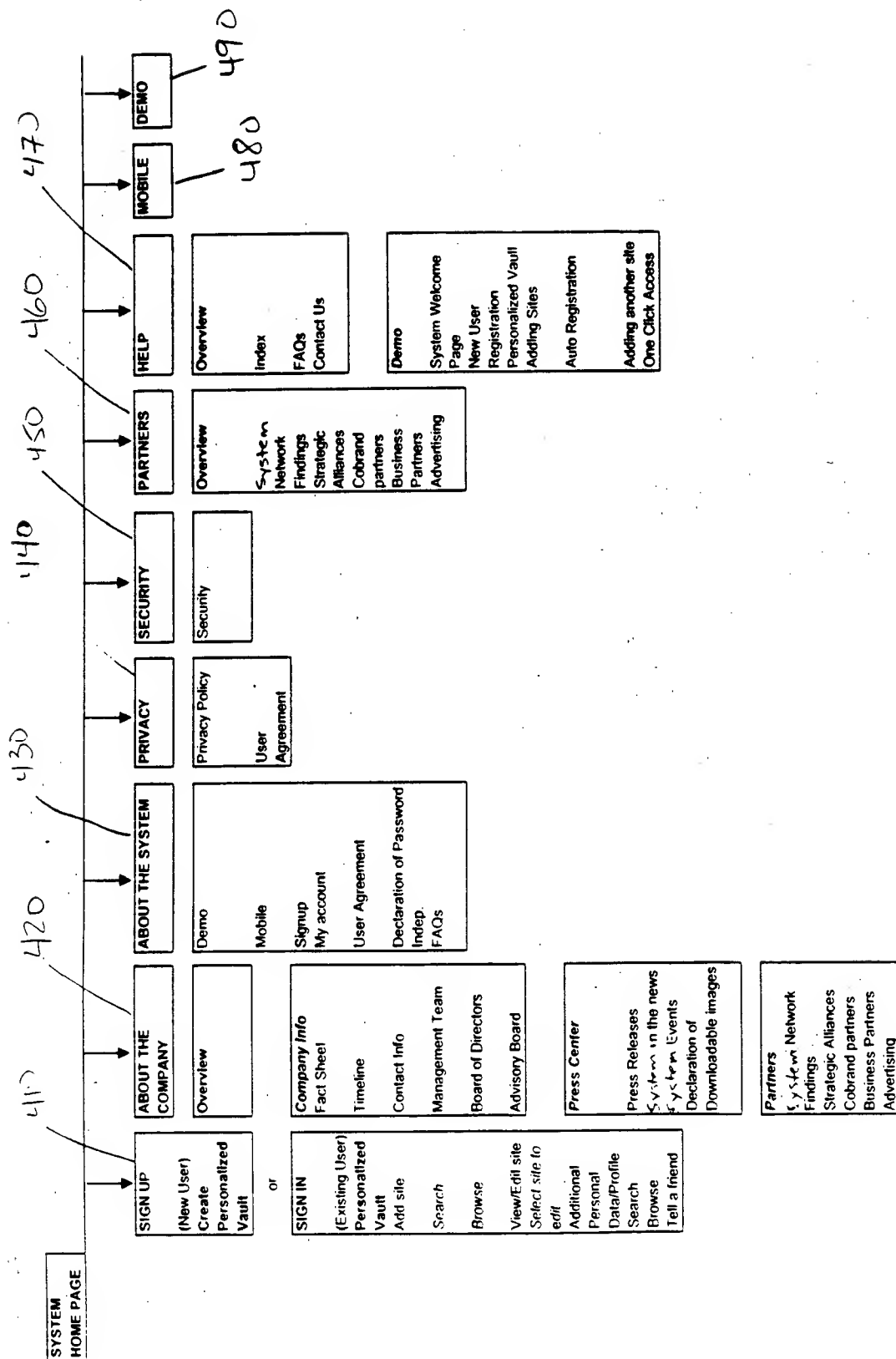


Fig. 5

The screenshot shows a web browser window displaying the essential.com website. The browser's address bar shows the URL. The website has a navigation bar with links: HOME, update your profile, mobile, privacy, security, partners, demo, HELP, and LOGOUT. The main content area is titled "open your vault" and contains a sign-up form. The form includes fields for First name, Last name, and Email address. Below these fields, there is a section for creating a password, with guidelines: "Must be 5-20 characters in length", "Must contain at least one letter and one number", and "Must not contain spaces or special characters". A checkbox at the bottom of the form is labeled "Send me updates about the system services.".

Fig. 5

essential.com

HOME update your profile mobile privacy security partners demo HELP LOGOUT

open your vault

Unlock the power of the Internet now with a single User Name and Password. The System will allow you to have one click sign-on to all of the Web sites you like to visit. Sign up now!

First name:

Last name:

Email address:

Your email address will serve as your Master User Name. We may also need to contact you to ensure your account's security.

Only you have access to your System Account. Please choose a password to protect your account. [Click here to read our policies about recovering lost usernames and passwords.](#)

Password:

Guidelines for creating your password:

- Must be 5-20 characters in length
- Must contain at least one letter and one number
- Must not contain spaces or special characters

Retype password:

☒ Send me updates about the system services.

Fig. 6

Finders, ...Keepers

LinkExchange

MY VAULT | amazon.com | LOGOUT

password recovery

the security and privacy of your account are our highest priorities. In the unlikely event that you lose the password to your SYSE account, we have developed a secure method to recover your data.

If you chose to enable Password Recovery, and you lose your password, we will send you an email with the following information:

- first character of password
- last character of password
- total length of password
- an optional hint that you have supplied

> 610

You also have the option to disable the password recovery system.

☒ Yes! Turn on the password recovery capability for my account. - 620

If you would like to set an optional hint for your account which will be sent to your email address if you lose your password, please enter it below.

Optional hint: _____ - 630

☐ No. Please do not enable password recovery for my account. - 640

I understand that if I lose my password, it will be impossible be able to recover any of the data that I store in Catavault.

Fig. 7

The image is a screenshot of a web browser displaying the About.com login and registration interface. The browser's address bar shows the URL. The page header includes the 'Gadget Universe' logo and a navigation menu with links like 'MY VAULT', 'Sign Up', 'Log Out', 'Forgot Password', 'New User', 'Help', and 'Logout'. The main heading asks 'do you have an account with about.com?'. Below this, there are two tabs: 'yes' and 'no'. The 'yes' tab contains a form for logging in with fields for 'Username', 'Password', and 'Repeat Password', along with a 'Sign In' button. The 'no' tab contains a form for registering with a 'Let' field, a 'register you now!' button, and a 'Cancel' button. Handwritten annotations are present: '710' points to the 'yes' tab, '720' points to the login instructions, and '730' points to the registration form. A vertical stamp on the left edge reads '2007-03-26 10:00:00'.

File Edit View Favorites Tools Help
Back Forward Stop Home
Address: http://www.about.com/

Gadget Universe
LINK Exchange

MY VAULT Sign Up Log Out Forgot Password New User HELP Logout

do you have an account with about.com?

yes **no**

If you remember your sign-in information for About.com, please enter it in the fields below, and it will be stored permanently in your vault.

Username
Password
Repeat Password

If you don't have your sign-in information, try visiting [About.com](#) to recover this information.
[Visit Site](#) [Cancel](#)

Let

710 720 730

2007-03-26 10:00:00

Fig. 8A

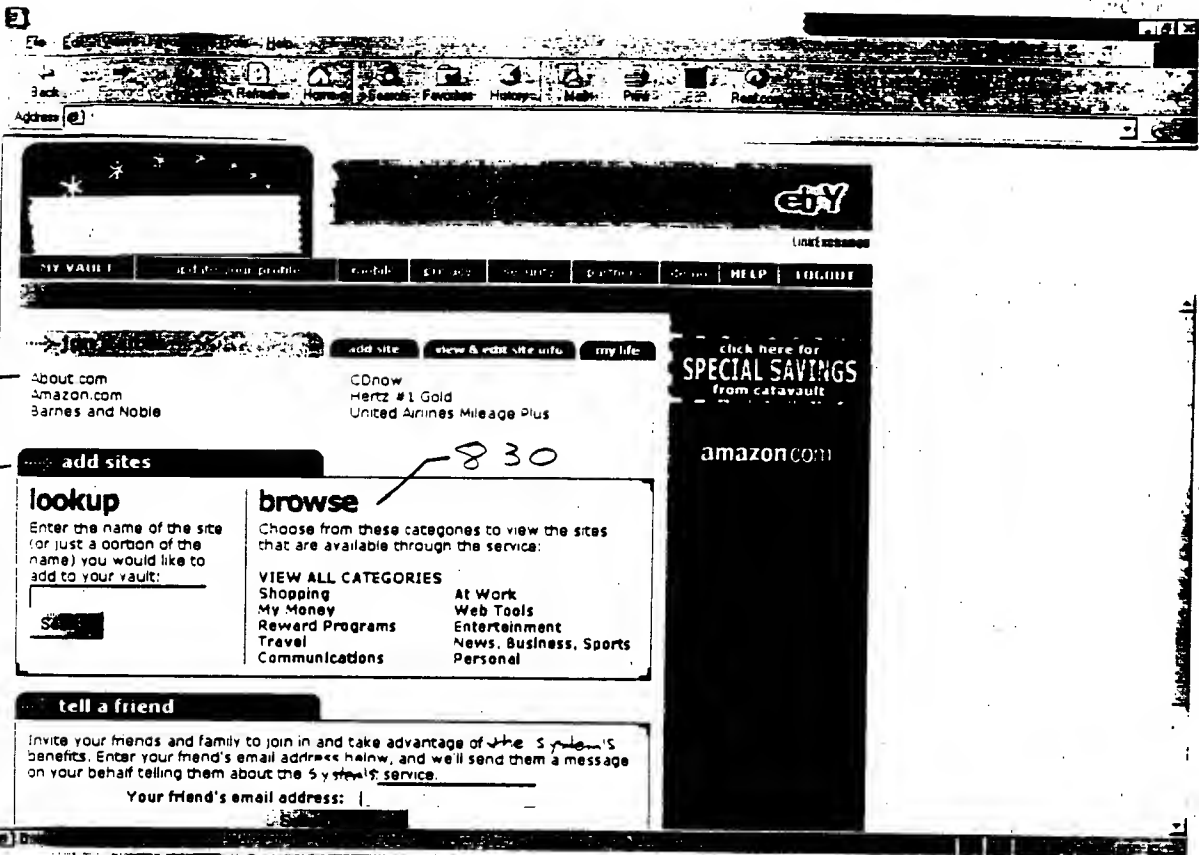


Fig. 8B

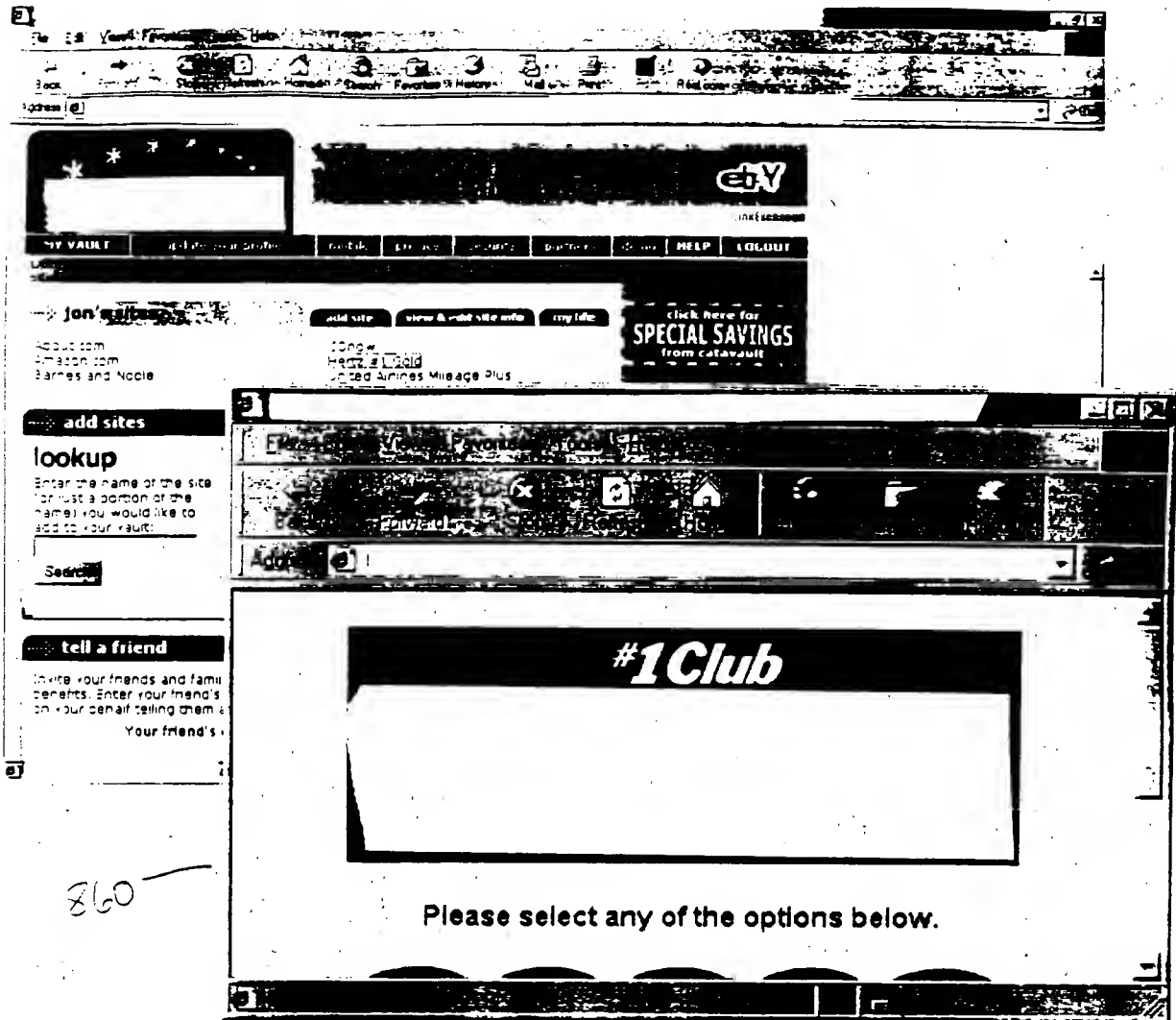




Fig. 9A

910

File Edit View Favorites Tools Help

Back Forward Stop Reload Home Search Favorites History Mail Print Refresh

Address

LinkExchange

MY VAULT update your profile Profile Privacy Security Partners Contact HELP LOGOUT

profile update

Unfortunately we cannot automatically register you for About.com yet because some information is missing from your master profile. Please enter the necessary information below, and this information will automatically be stored in your master profile. (Remember that the system will never reveal your personal information without your explicit approval.)

Birth month January

Birth year 1944

Birth day 5

Gender --- Pick one ---
--- Pick one ---
Female
Male

Cancel

Fig. 9B

The image is a screenshot of a web browser displaying the L.L. Bean online user agreement form. The browser's address bar shows the URL "http://www.llbean.com/". The page header includes the text "SHOP L.L.BEAN ON-LINE" with a "click here" link. Below the header is a navigation bar with links: "MY VAULT", "update your profile", "mobile", "privacy", "security", "partners", "about", "HELP", and "LOG OUT". The main content area is titled "user agreement" and contains the following text: "In conformance with the system's privacy policy, before we auto-register you for About.com, we would like to show you which information we will be sending to About.com and allow you to confirm your decision to transfer this data:". Below this text is a list of fields to be confirmed: "First Name", "Last Name", "Email Address", "Birth Month", "Birth Day", "Birth Year", "Gender", and "Zip Code". A "Confirm" button is located at the bottom left of the form. A "lock" icon is visible in the bottom right corner of the page.

920

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Reload

Address

SHOP L.L.BEAN ON-LINE [click here](#)

MY VAULT | [update your profile](#) | [mobile](#) | [privacy](#) | [security](#) | [partners](#) | [about](#) | [HELP](#) | [LOG OUT](#)

user agreement

In conformance with the system's privacy policy, before we auto-register you for About.com, we would like to show you which information we will be sending to About.com and allow you to confirm your decision to transfer this data:

First Name
Last Name
Email Address
Birth Month
Birth Day
Birth Year
Gender
Zip Code

[Confirm](#)

Fig. 9C

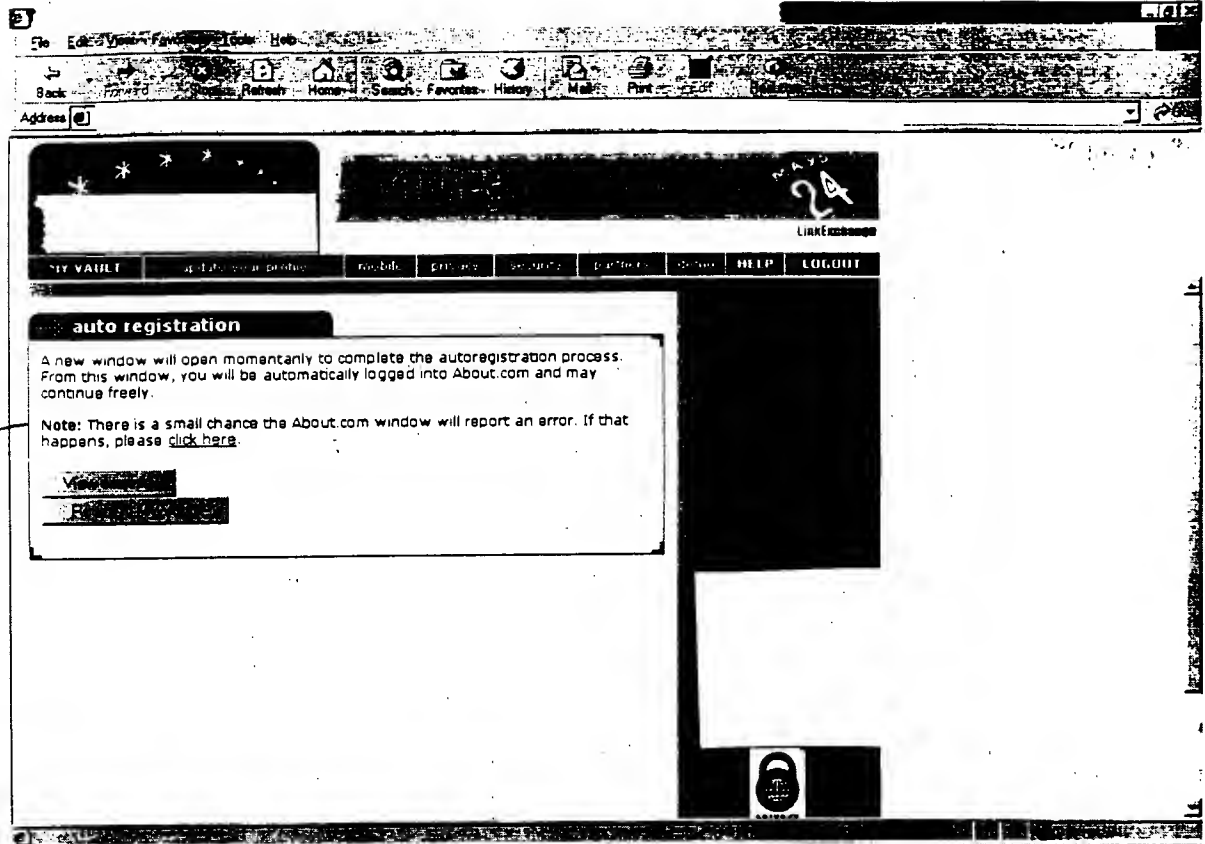


Fig. 9D

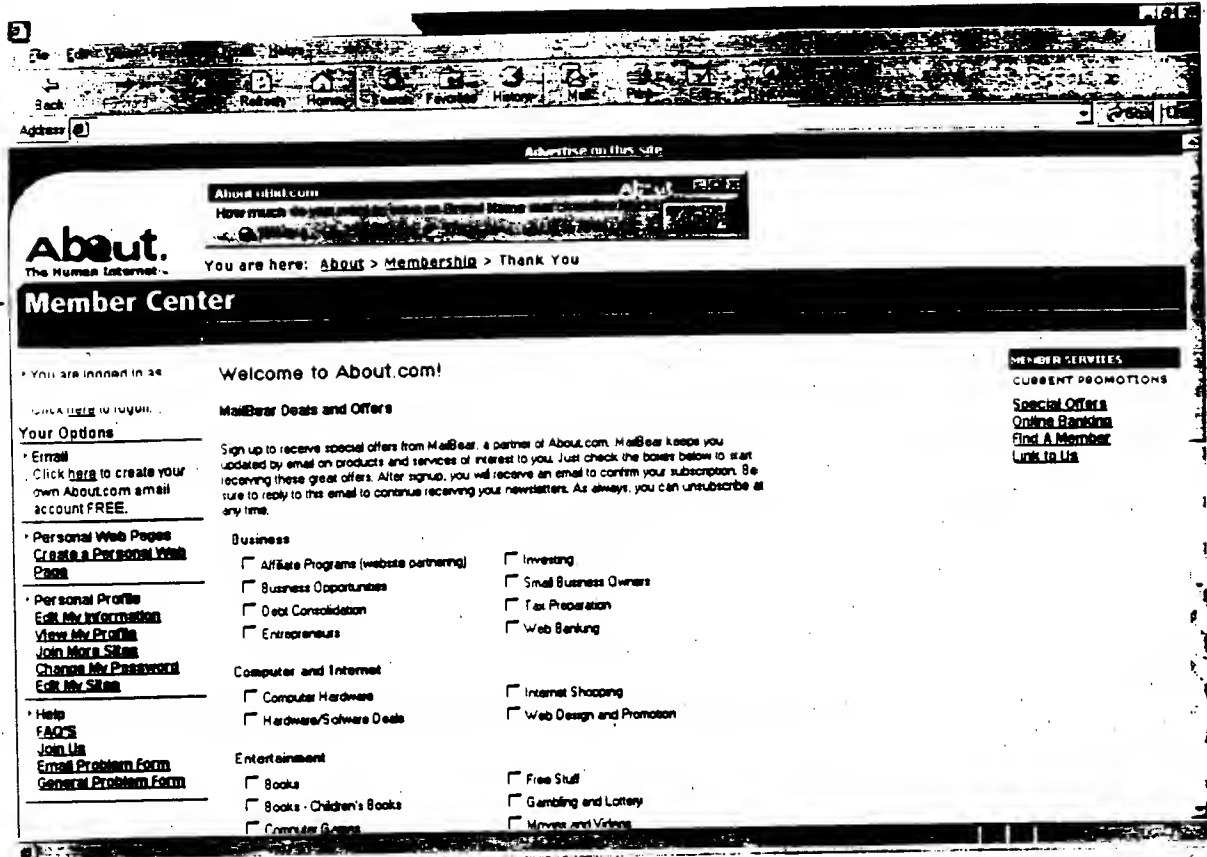
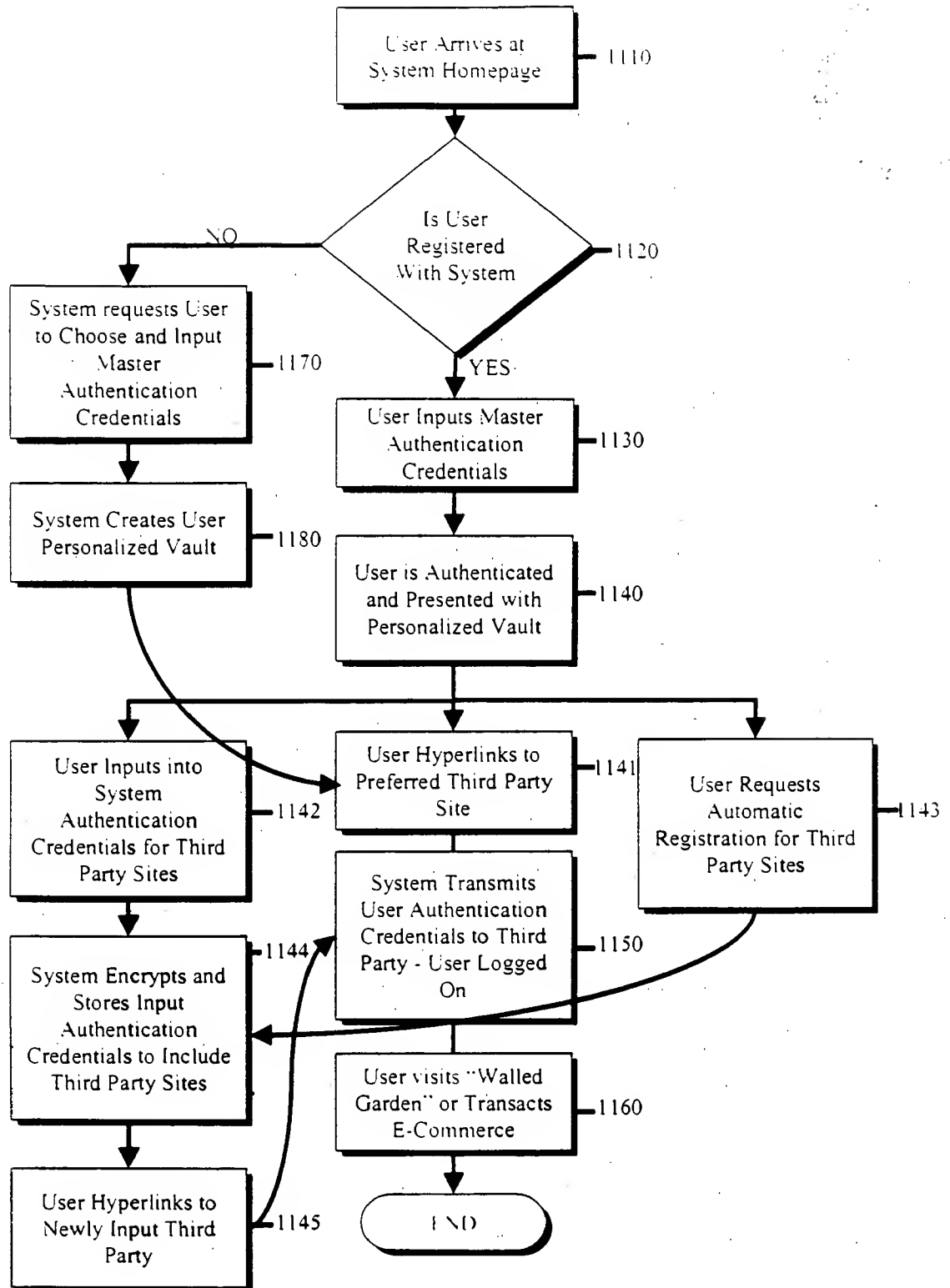


Fig 11



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